Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/10/2020 09:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125078	0	3.68	125068	3.66
Blue	F	SSC	125000	124506	-1	1.93	125230	1.97
Blue	E	FITC	15892	15598	-2	3.07	341	20.92
Blue	D	PE	29999	29513	-2	2.11	643	15.68
Blue	B	PerCP-Cy5-5	43732	43302	-1	3.97	1162	21.67
Blue	A	PE-Cy7	30845	31505	2	6.59	592	44.16
Red	C	APC	46112	44831	-3	2.39	1587	12.09
Red	A	APC-Cy7	30458	29616	-3	2.33	786	12.09
Violet	B	V450	7918	7501	-6	4.71	422	13.58
Violet	A	V500	32171	30519	-6	4.58	712	10.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16587	21.79	658	37	N/A	N/A	Pass
Blue	F	SSC	56790	1.45	586	27	N/A	N/A	Pass
Blue	E	FITC	62	67.39	555	12	0.0185	173	Pass
Blue	D	PE	135	52.51	561	13	0.1429	275	Pass
Blue	B	PerCP-Cy5-5	212	53.37	669	13	0.0080	60	Pass
Blue	A	PE-Cy7	109	111.68	717	19	0.0095	21	Pass
Red	C	APC	378	25.56	589	5	0.0248	187	Pass
Red	A	APC-Cy7	174	29.25	561	5	0.0055	1109	Pass
Violet	B	V450	64	62.17	458	0	0.0509	2295	Pass
Violet	A	V500	106	34.88	474	0	0.0221	831	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.60	-32.14	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.79	13.60 - 20.40	N/A	N/A	29.48	29.93	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9514

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments